

**Notice of Allowability**

Application No.

10/779,744

Examiner

LIN LIU

Applicant(s)

DOI ET AL.

Art Unit

2445

– The **MAILING DATE** of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 02/05/2010.
2. ☒ The allowed claim(s) is/are 2-4 and 6-18.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some\* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_.
- Identifying Indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO/SB/08),  
Paper No./Mail Date 10/27/2005
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☒ Interview Summary (PTO-413),  
Paper No./Mail Date 20100323
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_.

/VIVEK SRIVASTAVA/

Supervisory Patent Examiner, Art Unit 2445

### EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Temnit Afework (58,202) on March 22, 2010.

2. The application has been amended as follows:

**Claim 14. (CURRENTLY AMENDED)** A compound contents delivery system including a plurality of contents servers to which a plurality of contents are distributed to be stored in their contents storage units, respectively, a management server for managing delivery of contents to a portable terminal, and an intermediate apparatus for mediating supply of contents from said plurality of contents servers to said management server, where the delivery system delivers a compound contents to the portable terminal

said management server comprising:

a compound contents acquisition unit for acquiring said compound contents through outputting instruction information for production of said compound contents to said intermediate apparatus based on a substance of said compound contents to be produced, the compound contents being a combination of a plurality of contents

portions in time series, and each contents portions being partially fetched in time dimension from one of the contents stored in one of the storage units, and

a delivery unit for delivering said compound contents acquired by said compound contents acquisition unit to said portable terminal; and

said intermediate apparatus comprising:

a contents portion fetching instruction unit for instructing said contents servers to fetch contents portions needed for production of the compound contents when receiving a request for the compound contents production and said instruction information from said compound contents acquisition unit,

a production unit for combining compound contents elements received from said contents servers according to time series based on said instruction information from said management server thereby producing compound contents oriented to said portable terminal,

a compound contents outputting unit for outputting said compound contents produced in said production unit to said compound contents acquisition unit of said management server; and

each of said contents servers comprising:

a compound contents element acquiring and transmitting unit, for acquiring a compound contents element in corresponding relation to said contents portion which is an object of the fetching instruction in said contents portion fetching instruction unit, converting the acquired compound contents element in an encoding format for said

portable terminal, and transmitting the acquired and converted compound contents element to said intermediate apparatus, and

wherein when acquiring said compound contents element, compound contents elements returned from said contents servers in the past is stored, contents portion needed for the compound contents production from said instruction information is specified and a degree of duplication in substance between said contents portion needed for the compound contents production and said compound contents element stored is determined, and

a fetching instruction is provided to said contents server based on a decision result of said determination,

wherein, in said executing of the fetching instruction, based on the decision result in said duplication decision operation, said fetching instruction is not given to said contents server with respect to a duplicate portion between a substance of said contents portion needed for the compound contents production and said compound contents element stored and managed, and a compound contents element corresponding to said duplicate portion is used in producing said compound contents in said production.

**Claim 18.** (CURRENTLY AMENDED) A method of contents delivery in a delivery system having a plurality of contents servers, comprising:

outputting instruction information for production of contents based on a substance of said contents to be produced;

fetching contents portions corresponding to compound contents in response to the instruction information and converting the contents portions fetched in an encoding format for a portable terminal;

acquiring a compound contents element in corresponding relation to said contents portion which is an object of the fetching in a contents portion fetching instruction;

producing compound contents oriented to said portable terminal by combining the contents portions according to time series based on the instruction information; and

delivering the contents portions to the portable terminal, where the compound contents is a combination of a plurality of contents portions in time series, and each contents portions is partially fetched in time dimension from one of contents stored, and

said fetching designates only content portions that is not stored as having been previously returned and having a degree of duplication ~~relative to~~ in substance between content requested in the instruction information and stored compound contents element,

said fetching is provided based on a decision result that designates the content portions and said fetching is not given with respect to a duplicate portion between a substance of said content requested and said compound contents element stored and managed, and a compound contents element corresponding to said duplicate portion is used in producing said compound contents in said production.

***Allowable Subject Matter***

3. Claims 2-4 and 6-18 are allowed.

The following is a statement of reasons for the indication of allowable subject matter: The claimed invention is directed toward a compound contents delivery system including a plurality of contents servers to which a plurality of contents are distributed to be stored in their contents storage units, respectively, a management server for managing delivery of contents to a portable terminal, and an intermediate apparatus for mediating supply of contents from said plurality of contents servers to said management server, where the delivery system delivers a compound contents to the portable terminal said management server comprising: a compound contents acquisition unit for acquiring said compound contents through outputting instruction information for production of said compound contents to said intermediate apparatus based on a substance of said compound contents to be produced, the compound contents being a combination of a plurality of contents portions in time series, and each contents portions being partially fetched in time dimension from one of the contents stored in one of the storage units, and a delivery unit for delivering said compound contents acquired by said compound contents acquisition unit to said portable terminal; and said intermediate apparatus comprising: a contents portion fetching instruction unit for instructing said contents servers to fetch contents portions needed for production of the compound contents when receiving a request for the compound contents production and said instruction information from said compound contents acquisition unit, a production unit for combining compound contents elements received from said contents servers according to time series based on said instruction information from said management server thereby producing compound contents oriented to said portable terminal, a

compound contents outputting unit for outputting said compound contents produced in said production unit to said compound contents acquisition unit of said management server; and each of said contents servers comprising: a compound contents element acquiring and transmitting unit, for acquiring a compound contents element in corresponding relation to said contents portion which is an object of the fetching instruction in said contents portion fetching instruction unit, converting the acquired compound contents element in an encoding format for said portable terminal, and transmitting the acquired and converted compound contents element to said intermediate apparatus, and wherein when acquiring said compound contents element, compound contents elements returned from said contents servers in the past is stored, contents portion needed for the compound contents production from said instruction information is specified and a degree of duplication in substance between said contents portion needed for the compound contents production and said compound contents element stored is determined, and a fetching instruction is provided to said contents server based on a decision result of said determination, wherein, in said executing of the fetching instruction, based on the decision result in said duplication decision operation, said fetching instruction is not given to said contents server with respect to a duplicate portion between a substance of said contents portion needed for the compound contents production and said compound contents element stored and managed, and a compound contents element corresponding to said duplicate portion is used in producing said compound contents in said production. The closest prior art of record (i.e Swart et al. (PGPUB: US 2003/0025832 A1) and Sasaki et al. (Patent no.:

US 6,480,234 B1) taken singly or in combination does not teach or suggest these features. Based on this reasoning, claim 14 is allowable over the prior art of record.

4. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

### ***Conclusion***

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to LIN LIU whose telephone number is (571)270-1447. The examiner can normally be reached on Monday - Friday, 7:30am - 5:00pm, EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Srivastava Vivek can be reached on (571) 272-7304. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a



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USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Lin Liu/

Examiner, Art Unit 2445

/VIVEK SRIVASTAVA/

Supervisory Patent Examiner, Art Unit 2445